


### Anti-TRIM5 alpha antibody ab109709

★★★★★ [3 Abreviews](#) [1 References](#) [2 图像](#)

#### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-TRIM5 alpha抗体  |
| 描述    | 兔多克隆抗体to TRIM5 alpha  |
| 宿主    | Rabbit  |
| 经测试应用 | 适用于: WB, IHC-P  |
| 种属反应性 | 与反应: Human<br>预测可用于: Chimpanzee, Macaque monkey, Gorilla   |
| 免疫原   | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.   |
| 阳性对照  | This antibody gave a positive signal in the following tissue lysates: Human Placenta; Human Thymus; Human Tonsil.   |
| 常规说明  | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p> |

#### 性能

|      |  |
|------|--|
| 形式   | Liquid   |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.   |
| 存储溶液 | pH: 7.40<br>Preservative: 0.02% Sodium azide<br>Constituent: PBS<br><br>Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help. |
| 纯度   | Immunogen affinity purified  |
| 克隆   | 多克隆  |

## 应用

## The Abpromise guarantee

Abpromise™承诺保证使用ab109709于以下的经测试应用

“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用    | Ab评论      | 说明  |
|-------|-----------|---|
| WB    | ★★★★★ (1) | Use a concentration of 1 µg/ml. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).          |
| IHC-P |           | Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. |

## 靶标

## 功能

Isoform Alpha is a retrovirus restriction factor, which mediates species-specific, early block to retrovirus infection. Targets retroviral capsid soon after entry into the cell, and prevents reverse transcription of the virus RNA genome. Isoform Alpha trimers may make multiple contacts with the hexameric lattice of CA proteins which constitute the surface of retrovirion core, and somehow inactivate the virus. Restricts efficiently infection by N-MLV, but not HIV-1. May have E3 ubiquitin-protein ligase activity.

## 通路

Protein modification; protein ubiquitination.

## 序列相似性

Belongs to the TRIM/RBCC family.  
 Contains 1 B box-type zinc finger.  
 Contains 1 B30.2/SPRY domain.  
 Contains 1 RING-type zinc finger.

## 结构域

The RING-type zinc finger domain mediates binding to an E2 ubiquitin-conjugating enzyme.

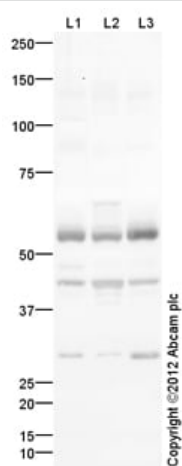
## 翻译后修饰

Ubiquitinates itself in a RING finger- and UBE2D2-dependent manner (in vitro).

## 细胞定位

Cytoplasm > P-body. Cytoplasmic bodies.

## 图片



Western blot - Anti-TRIM5 alpha antibody  
(ab109709)

**All lanes** : Anti-TRIM5 alpha antibody (ab109709) at 1 µg/ml

**Lane 1** : Human placenta tissue lysate - total protein ([ab29745](#))

**Lane 2** : Tonsil (Human) Tissue Lysate

**Lane 3** : Human thymus tissue lysate - total protein ([ab30146](#))

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed  
([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

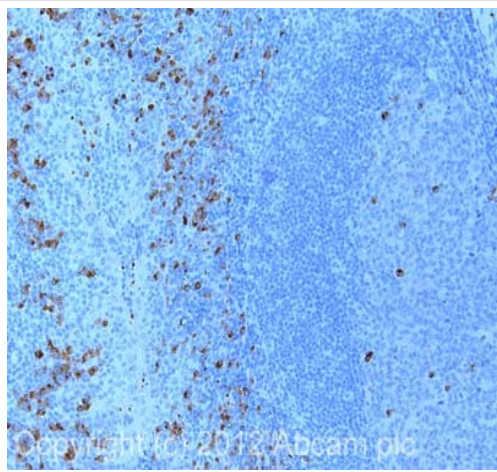
**Predicted band size:** 56 kDa

**Observed band size:** 56 kDa

**Additional bands at:** 31 kDa (possible isoform), 46 kDa (possible isoform)

**Exposure time:** 2 minutes

This antibody was raised against an immunogen that is predicted to recognize isoforms Alpha, Beta and Epsilon of TRIM5. The predicted molecular weights of isoforms Alpha, Beta and Epsilon are 56, 46 and 31 kDa respectively.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TRIM5 alpha antibody (ab109709)

IHC image of TRIM5 alpha staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab109709, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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